

Claims

1. An antenna apparatus, characterized by comprising:
a first antenna equipped with a first antenna
5 conductor formed in a loop for receiving an electric wave
having a first frequency band; and
a second antenna equipped with a second antenna
conductor for receiving an electric wave having a second
frequency band, and characterized in that said second
10 antenna conductor is provided to be along said loop
corresponding to a portion as the first antenna conductor.
2. The antenna apparatus according to Claim 1,
characterized in that said first antenna conductor is
15 formed to be said loop with a conductive antenna member
in a shape of substantially a column having a space
portion, and said second antenna conductor is housed in
the space portion.
- 20 3. The antenna apparatus according to Claim 2,
characterized in that said first antenna conductor is
provided with a notched portion on said antenna member in
a cylindrical shape along said loop.
- 25 4. The antenna apparatus according to Claim 1,
characterized in that said first antenna is a magnetic
loop antenna.